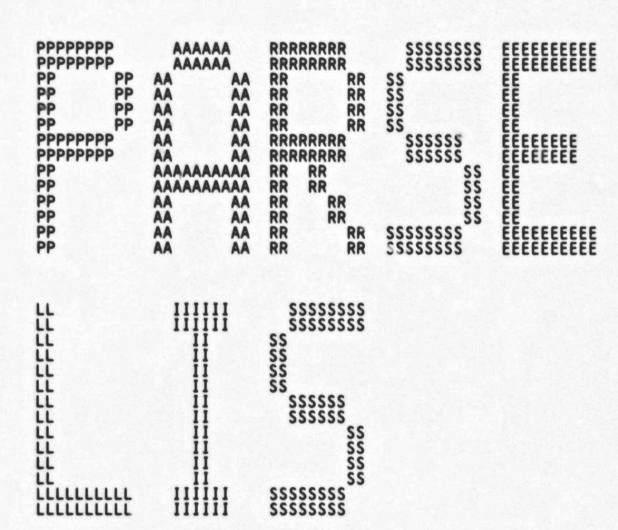
\$	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	AAAAAAAA AAAAAAAA AAAAAAAA
\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$	DDD DDD	AAA AAA
\$\$\$ \$\$\$ \$\$\$	DDD DDD DDD DDD	AAA AAA
\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$	DDD DDD	AAA AAA
SSSSSSSSS	DDD DDD DDD DDD	AAA AAA AAA AAA
\$\$\$ \$\$\$	DDD DDD	AAAAAAAAAAAA AAAAAAAAAA
\$\$\$ \$\$\$ \$\$\$	DDD DDD DDD	AAA AAA
\$	DDDDDDDDDDDD DDDDDDDDDDDD DDDDDDDDDDDD	AAA AAA

....

....



PARSE Table of contents	Parse tables for SDA commands	16-SEP-1984 01:36:01	VAX/VMS Macro V04-00
(1) 29 (2) 107 (3) 118 (4) 134 (5) 991 (6) 1094 (6) 1114 (7) 1137 (8) 1172 (9) 1194 (10) 1214	COPYRIGHT NOTICE PROGRAM DESCRIPTION DECLARATIONS DATA STORAGE PARSER STATE TABLE EXPRESSION ANALYSIS ACTION ROUTINES STORE_RELOCATION, STORE READ/RELOCATE VALUE STORE_PROC_INDEX, STORE PROCESS INDEX LOW BITS SAVE_COMMAND, SAVE THE CURRENT COMMAND REPEAT_COMMAND, REPEAT THE PREVIOUS COMMAND DEFINE_KEY - DEFINE KEY Action Routines for SET!SHOW RMS/DISPLAY=optionsp	ec	

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B 16

C 16

```
0000
0000
0000
                       .SBTTL PROGRAM DESCRIPTION
         FACILITY
                       SYSTEM DUMP ANALYZER
                  ABSTRACT
                       This module contains the parse tables which
                       are used to parse SDA commands.
                  ENVIRONMENT
                       NATIVE MODE, USER MODE
                  AUTHOR
                       TIM HALVORSEN, JULY 1978
0000
                  MODIFIED BY
ÖÖÖÖ
                                 EMB0109 Ellen M. Batbouta 24-Jul-1984 Fix SHOW DEVICE/ADDRESS so that it will be consistent with other sda commands with the qualifier /address such as SHOW PORTS/ADDRESS.
ÖÖÖÖ
                       V03-015 EMB0109
0000
0000
0000
0000
                                 EMB0102 Ellen M. Batbouta 30-May-1984 Add support for SHOW CLUSTER, SHOW CONNECTIONS, SHOW RSPID, and SHOW PORTS.
ÖÖÖÖ
                       V03-014 EMB0102
0000
0000
ŎŎŎŎ
0000
                       V03-013 PRB0302
                                 PRB0302 Paul Beck 28-1
Add support for EXAMINE/INST/NOSKIP
                                                                        28-Dec-1983 17:50
0000
0000
0000
                       V03-012 ROW0260
                                                                                  21-NOV-1983
                                                     Ralph O. Weber
                                 Changes parse tables to allow SHOW RESOURCES, SHOW LOCKS, and SHOW PROCESS /LOCKS.
0000
0000
0000
                       V03-011 R0W0237
0000
                                                     Ralph O. Weber
                                                                                  10-NOV-1983
                                 Add TPARSE table entries to support the SHOW DEVICE/ADDR
                                 command.
                       V03-010 WMC0002
                                                     Wayne Cardoza
                                                                                  30-Sep-1983
                                 Bad transition after page table range
                       V03-009 BLS0230
                                                     Benn Schreiber
                                                                                  24-Jul-1983
                                 Correct end of line / comment handling
                       V03-008 WMC0001
                                                                                  11-Jul-1983
                                                     Wayne cardoza
                                 Support for separate display of PO and P1 process page tables.
                       V03-007 JLV0259
                                                                                  23-MAY-1983
                                                     Jake VanNoy
                                 ADD DEFINE/KEY.
                       V03-006 TMK0001
                                                                                  21-Mar-1983
                                                     Todd M. Katz
                                 ADD SET LOG and SET NOLOG syntax.
                       V03-005 CWH1002
                                                                                   2-Mar-1983
                                                     CW Hobbs
```

PARSE V04-000	Parse tables for PROGRAM DESCRIPTI	SDA commands ON	D 16 16-SEP-1984 01:36:01 VAX/VMS Macro V04-00 Page 5-SEP-1984 03:33:21 [SDA.SRC]PARSE.MAR;1
	0000 86 : 0000 87 : 0000 88 : 0000 89 : 0000 90 :		Store only the low bits of proc index (as determined by the global PIX_WIDTH so that we can interchange internal and extended pids. Change syntax of SHOW SUMMARY to add SHOW SUMMARY /IMAGE.
	0000 90 0000 91 0000 92 0000 93 0000	v03-004	RAS0123 Ron Schaefer 8-Feb-1983 Add SHOW PROC/RMS=RJB syntax.
	0000 94 : 0000 95 : 0000 96 :	v03-003	JLV0224 Jake VanNoy 21-JAN-1983 Add Examine/PSL Examine/CONDITION_VLAUE and Examine/TIME parsing. Add VALIDATE QUEUE syntax.
	0000 97 0000 98 0000 99 0000 100 0000 101	v03-002	LMP0031 L. Mark Pilant, 17-Jun-1982 13:15 Add support for SHOW PROCESS/CHANNELS. Also, change the parsing to allow a process name along with qualifiers.
	0000 101 : 0000 103 : 0000 104 : 0000 105 :	v03-001	MSH0001 Maryann Hinden 10-Jun-1982 Add SHOW LOCK, SHOW RES, SHOW PROC/LOCK commands.

PARSE V04-000	Parse tables f	for SDA commands	E 16 16-SEP-1984 01:36:01 VAX/VMS Macro V04-00 5-SEP-1984 03:33:21 [SDA.SRC]PARSE.MAR;1	Page 4
	0000 10 0000 10 0000 10	07 .SBTTL D 08 : 09 : SYMBOL DE 10 : 11 STPADEF 12 SOPTDEF	ECLARATIONS FINTIONS	
	0000 10 0000 10 0000 10 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11	10 ; 11 STPADEF 12 SOPTDEF 13 SSMGDEF	: TPARSE DEFINITIONS : DEFINE BITS IN OPTIONS WORD : SCREEN INPUT DEFINITIONS	
	0000003B 0000 11 0000003A 0000 11	15 SEMI = ^A';' 16 COLON = ^A':'		

Parse table DATA STORAG	s for SDA c	ommands	F 16 16-SEP-1984 01:36:01 VAX/VMS Macro V04-00 Page 5-SEP-1984 03:33:21 [SDA.SRC]PARSE.MAR;1
0000	118	.SBTTL	DATA STORAGE
0000	120	STORAGE	DEFINITIONS
00000000	122	.PSECT	SDADATA, WRT, NOEXE
00000050 0000	125 PREV_BI 126 127 PREV_CI	-BLKB	80 ; HOLDS PREVIOUS COMMAND
00000000 0050	128 129 130	.LONG	O PREV_BUFFER
00000002 0058	131 KEY_AT	TR:	SMG\$M_KEY_TERMINATE ; KEYPAD ATTRIBUTE FOR "REPEAT KEY"

PARSE VO4-000

```
.SBTTL PARSER STATE TABLE
STATE TABLE FOR DUMP ANALYZER COMMANDS
                   SINIT_STATE SDA_STATE, SDA_KEY
                                START
'READ', READ_CMD
'REPEAT', START, REPEAT_COMMAND
TPA$_LAMBDA,, SAVE_COMMAND
                   STRAN
                    STRAN
                    STRAN
                    SSTATE
                               'a', INDIRECT_CMD
'COPY', COPY CMD
'DEFINE', DEFINE
'EXAMINE', EXAMINE
'FORMAT', FORMAT_CMD
'HELP', HELP_CMD
'SET', SET
'SEARCH', SEARCH
'SHOW', SHOW
'EVALUATE', EVALUATE
'EXIT', EXIT_CMD
'VALIDATE', VALIDATE
TPA$_LAMBDA, CK_EOS
                   STRAN
                                CK_EOS
'!' TPAS_EXIT
TPAS_EOS, TPAS_EXIT
                   STATE
STRAN
                   STRAN
                   SEARCH start:end = object
                               start; length = object
                                SEARCH
!EXPRESSION
                   SSTATE
                   STRAN
                   SSTATE
                                SEMI,..OPTSM LENGTH, OPTIONS COLON,, OPTSM RANGE, OPTIONS
                   STRAN
                   STRAN
                    SSTATE
                                !EXPRESSION
                    STRAN
                    SSTATE
                   STRAN
                    STRAN
                                TPAS_LAMBDA
                    SSTATE
                   STRAN
                                !EXPRESSION
                    SSTATE
                   STRAN
                                TPAS_LAMBDA, TPAS_EXIT, SEARCH_MEMORY
                   afilespec
                                INDIRECT_CMD :COLLECT,TPAS_EXIT,INDIRECT_COMMAND,,FILE_DESC
```

```
SHOW PROCESS name /options
SHOW SUMMARY
SHOW PAGE TABLE
SHOW PFN DATA
SHOW POOE /IRP /NONPAGED /ALL
SHOW CRASH
SHOW STACK /mode (default is current stack)
SHOW SYMBOL name /ALL
SHOW DEVICE device /ALL
SHOW RMS
                                SHOW RMS
                                 SHOW
                                             LOCKS
                                SHOW RESOURCES
SHOW CLUSTER /CSID=n /SCS
SHOW CONNECTIONS /ADDRESS=n
SHOW PORTS /ADDRESS=n
SHOW RSPID /CONNECTION=n
                                                    SHOW
'CRASH', TPA$_EXIT,DISPLAY_CRASH
'DEVICE',DEVICE
'HEADER',TPA$_EXIT,PRINT_HEADER
'LOCKS',LOCK
'PAGE_TABLE',PAGE_TABLE
'PFN_DATA',PFN_DATA
'POOL',POOL
'PROCESS',PROCESS
'RESOURCES',RES
'RMS',SHOW_RMS
'STACKS',STACK
'SUMMARY',SHOW_SUMMARY
'SYMBOLS',SYMBOL
'CLUSTER',VAXCLUSTER
'CONNECTIONS',SCS_CONNECT
'RSPID',SCS_RDT
'PORTS',SCS_PORTS
                                STATE
STRAN
                                 STRAN
                                STRAN
                                STRAN
                                 STRAN
                                STRAN
                                 STRAN.
                                STRAN
                                SHOW LOCK Lockid
                                STATE
STRAN
                                                     LOCK OPTS, TPAS EXIT TPAS REX.,,LOCKID
                                 STRAN
                                SSTATE
STRAN
                                                     !CK_EOS, TPA$_EXIT, SHOW_ONE_LOCK
                                                     LOCK_OPTS | CK_EOS, TPAS_EXIT, SHOW_ALL_LOCKS
                                STRAN
STRAN
                                STATE
STRAN
                                                      'ALL'
                                SSTATE
```

```
STRAN
          !CK_EOS, TPA$_EXIT, SHOW_ALL_LOCKS
SHOW RES [/ALL] /LOCKID = xxxx
          RES
|CK_EOS, TPA$_EXIT, SHOW_ALL_RES
SSTATE
STRAN
STRAN
           'ALL', TPA$_EXIT, SHOW_ALL_RES 'LOCKID'
STRAN
STRAN
          TPAS_HEX,,,,LOCKID
STATE
STRAN !CK_EOS, TPAS_EXIT, SHOW_ONE_RES
SHOW RMS
$STATE SHOW_RMS
$TRAN !CK_EOS,TPA$_EXIT,SHOW_RMS_OPT
SHOW CLUSTER /CSID=n /SCS
STATE
STRAN
STRAN
          VAXCLUSTER CK_EOS, TPAS_EXIT, SHOW_CLUSTER
SSTATE
STRAN
STRAN
          'CSID'
'SCS', TPA$_EXIT, SHOW_SCS
STATE
STRAN
STATE
STRAN
          TPAS_HEX,...CSID
STATE
STRAN !CK_EOS, TPAS_EXIT, SHOW_CLUSTER
SHOW CONNECTIONS /ADDR=n
STATE SCS_CONNECT
STRAN !CK_EOS, TPAS_EXIT, SHOW_CONNECTIONS
```

```
1/1
STRAN
STATE
STRAN
           'ADDRESS'
SSTATE
STRAN
           !EXPRESSION, TPA$_EXIT, CDT_BYADDR
SHOW PORTS /ADDR=n
           SCS_PORTS
!CK_EOS,TPA$_EXIT,SHOW_PORTS
SSTATE
STRAN
STRAN
STATE
STRAN
           'ADDRESS'
STATE
STRAN
STATE
STRAN
           !EXPRESSION, TPA$_EXIT, PDT_BYADDR
SHOW RSPID /CONNECTION=n
           SCS_RDT
!CK_EOS,TPA$_EXIT,SHOW_RSPID
STATE
STRAN
           'CONNECTION'
STATE
STRAN
STATE
STRAN
           !EXPRESSION,,,1,CDT_SPCFY
          TPA$_LAMBDA,TPA$_EXIT,SHOW_RSPID
SET LOG filespec
SET NOLOG
SET OUTPUT filest
SET OUTPUT filespec
SET PROCESS name /INDEX=n
SET RMS/DISPLAY=(opt1,opt2,...,optn)
           'LOG', SET_LOG
```

SSTATE STRAN STRAN

TPAS_EXIT

L 16

```
SSTATE
STRAN
SSTATE
STRAN
STRAN
SSTATE
STRAN
                                                                                               DIS_OPT
TPAS_LAMBDA,,SETUP_DIS_OPT
                                                                                                ATM_OPT.DIS_OPT_EXIT
                                                        STATE
STRAN
SSTATE
STRAN
                                                                                             !ATM_OPT,,OPT$M_NO,RMS_DIS_TMP1
DIS_OPT_EXIT
TPA$_LAMBDA,TPA$_EXIT,STORE_TMP1_OPT
                                                                                          TPAS_LAMBDA, TPAS_EXIT, STORE_TMP1_OPT

ATM_OPT

'ALC', IFI,, OPTSM_RMSALL, RMS_DIS_TMP1

'ASB', TPAS_EXIT, OPTSM_ASB, RMS_DIS_TMP1

'BDB', TPAS_EXIT, OPTSM_BDB, RMS_DIS_TMP1

'BDBSUM', TPAS_EXIT, OPTSM_BDB, RMS_DIS_TMP1

'BLB', TPAS_EXIT, OPTSM_BLB, RMS_DIS_TMP1

'BLBSUM', TPAS_EXIT, OPTSM_BLB, RMS_DIS_TMP1

'CCB', TPAS_EXIT, OPTSM_CCB, RMS_DIS_TMP1

'FCB', TPAS_EXIT, OPTSM_FAB, RMS_DIS_TMP1

'FCB', TPAS_EXIT, OPTSM_FCB, RMS_DIS_TMP1

'FCB', TPAS_EXIT, OPTSM_GBD, RMS_DIS_TMP1

'GBD', TPAS_EXIT, OPTSM_GBD, RMS_DIS_TMP1

'GBDSUM', TPAS_EXIT, OPTSM_GBD, RMS_DIS_TMP1

'GBDSUM', TPAS_EXIT, OPTSM_GBD, RMS_DIS_TMP1

'GBH', TPAS_EXIT, OPTSM_IDX, RMS_DIS_TMP1

'IFAB', IFI, OPTSM_IFB, RMS_DIS_TMP1

'IFB', IFI, OPTSM_IFB, RMS_DIS_TMP1

'IRB', TPAS_EXIT, OPTSM_IRB, RMS_DIS_TMP1

'RAB', TPAS_EXIT, OPTSM_RAB, RMS_DIS_TMP1

'WCB', TPAS_EXIT, OPTSM_XAB, RMS_DIS_TMP1

'XAB', TPAS_EXIT, OPTSM_XAB, RMS_DIS_TMP1

'XAB', TPAS_EXIT, OPTSM_XAB, RMS_DIS_TMP1

'*', TPAS_EXIT, STORE_STAR

IFI
                                                        STATE
STRAN
                                                              STRAN
                                                             STRAN
STRAN
                                                        STATE
STRAN
STRAN
STRAN
                                                                                             TPA$_LAMBDA,TPA$_EXIT
IFI2
'ALL',TPA$_EXIT,CLR_IFI_TMP
!EXPRESSION,TPA$_EXIT,STORE_IFI_TMP
                                                        STATE
STRAN
STRAN
                                                         EVALUATE expression
                                                         STATE
STRAN
                                                                                              EVALUATE
                                                         STRAN
SSTATE
                                                                                               TPA$_LAMBDA,EVAL_EXP
```

Parse tables PARSER STATE	for SDA TABLE	commands	M 16 16-SEP-1984 01:36:01 VAX/VMS Macro V04-00 Page 12 5-SEP-1984 03:33:21 [SDA.SRC]PARSE.MAR;1 (4)
005C 4 005C 4 005C 4	76 77 78 79	STRAN SSTATE STRAN SSTATE	'CONDITION_VALUE'.,,OPTSM_COND,OPTIONS EVAL EXP !EXPRESSION
005C 4 005C 4 005C 4	80 81 82 83	STRAN SSTATE STRAN SSTATE STRAN STRAN SSTATE STRAN	TPAS_LEMBDA, TPAS_EXIT, SHOW_FYPR EVAL_GUAL 'CONDITION_VALUE',,,OPTSM_COND,OPTIONS
005C 4	85 86	STATE STRAN	TPAS_LAMEDA, TPAS_EXIT, SHOW_EXPR
005C 4 005C 4 005C 4	87 ; 88 ; 89 ;		start:end /PO /P1 /SYSTEM /ALL /INSTRUCTION /PSL /TIME /CONDITION start; length
005C 4 005C 4 005C 4	91 92 93 94 95	STATE STRAN STRAN SSTATE	EXAMINE TPAS_LAMBDA, EXAMINE_EXPRESSION
005C 4 005C 4 005C 4 005C 5 005C 5	96 97 98 99 00 01 02 03	STRAN STRAN STRAN STRAN STRAN STRAN STRAN STRAN	'PO', EXAM_OK, OPT\$M_PO,OPTIONS 'P1', EXAM_OK, OPT\$M_P1,OPTIONS 'SYSTEM', EXAM_OK, OPT\$M_SYSTEM,OPTIONS 'ALL', EXAM_OK, OPT\$M_ALE,OPTIONS 'INSTRUCTION', EXAM_INS, OPT\$M_INST,OPTIONS 'PSL',,OPT\$M_PSL,OPTIONS 'TIME',,OPT\$M_TIME,OPTIONS 'CONDITION_VALUE',,,OPT\$M_COND,OPTIONS
005C 5 005C 5 005C 5	04 05 06 07 08	SSTATE STRAN STRAN SSTATE	EXAMINE_EXPRESSION !CK_EOS,EXAM_OK !EXPRESSION
005C 5	09 10 11 12 13	STRAN STRAN STRAN STRAN	!CK_EOS.EXAM_OK '/'EXAM_QUACS SEMI.,.OPT\$M_LENGTH.OPTIONS COLON,,.OPT\$M_RANGE.OPTIONS
005C 5 005C 5	15	STATE STRAN SSTATE	!EXPRESSION
005C 5 005C 5 005C 5	16 17 18 19		TPA\$_LAMBDA.EXAM_OK EXAM_QUAL_LOOP !CK_EOS,EXAM_OK
005C 005C 005C 005C 005C 005C 005C 005C	20 21 22 23 23 24 25 27 28 29 20 33 33 33 33 33 33 33 33 33 33 33 33 33	SSTATE STRAN STRAN STRAN STRAN STRAN	EXAM QUALS 'INSTRUCTION', EXAM QUAL LOOP, OPT\$M INST, OPTIONS 'NOSKIP', EXAM QUAL LOOP, OPT\$M NOSKIP, OPTIONS 'PSL', EXAM QUAL LOOP, OPT\$M PSL, OPTIONS 'TIME', EXAM QUAL LOOP, OPT\$M TIME, OPTIONS 'CONDITION VALUE', EXAM QUAL COOP, OPT\$M COND, OPTIONS
005C 5 005C 5	27 28 29	STATE STRAN SSTATE	EXAM_OK TPAS_LAMBDA, TPAS_EXIT, EXAM_MEMORY EXAM_INS
005C 5 005C 5 005C 5	30 31 32	STRAN STRAN SSTATE	TPAS_LAMBDA, EXAMINE_EXPRESSION

PARSE V04-000

```
STRAN
                                          'NOSKIP', EXAM_INS,, OPT$M_NOSKIP, OPTIONS
           VALIDATE QUEUE expression
                                          VALIDATE QUEUE
                             STATE
STRAN
                                          VAL_QUEUE
!CK_EOS, VALIDATE_Q_OK
!VAL_QUEUE_OPTS, TPAS_EXIT
                              SSTATE
                              STRAN
                             STRAN
                                         VAL_QUEUE OPTS
'/', VAL_QUE_QUAL
!EXPRESSION, VAL_QUEUE
                              SSTATE
                             STRAN
                             STRAN
                             SSTATE
STRAN
                                          VAL_QUE_QUAL
'SELF_RELATIVE', VAL_QUEUE,, OPT$M_SELF, OPTIONS
'MAXIMUM_LINKS'
                              STRAN
                              SSTATE
                              STRAN
                              STRAN
005C
                              $STATE
005C
                             STRAN
                                          !DECIMAL, VAL_QUEUE, VAL_SET_MAX
005C
005C
                             $STATE
                                          VALIDATE Q OK
005C
                             STRAN
                                          TPAS_LAMBDA, TPAS_EXIT, VALIDATE_QUEUE
005C
005C
005C
                             EXPRESSION ANALYSIS FOR EXAMINE ARGUMENTS
005C
                             THIS REDUCTION TABLE USES A SEPARATE STACK FOR PARSING TOKENS AS THEY ENCOUNTERED. THE RESULT OF THE LAST OPERATION IS ALWAYS PLACED IN TPA$L_NUMBER TO RETURN TO THE CALLING TRANSITION ROUTINE.
005C
005C
005C
005C
005C
005C
005C
                                         EXPRESSION !TERM
                             $STATE
                             STRAN
                                         EXPOP

'+', ADDITION

'-', SUBTRACTION

TPA$ LAMBDA, TPA$ EXIT

ADDITION
005C
                             SSTATE
                             STRAN
                             STRAN
005C
                             STRAN
005C
                             SSTATE
005C
                                         !EXPRESSION, TPAS_EXIT, ADD2
SUBTRACTION
                             STRAN
                             SSTATE
005C
                                          !TERM, EXPOP, SUB2
!EXPRESSION, TPAS_EXIT, SUB2
                             STRAN
005C
005C
005C
005C
                             STRAN
                             SSTATE
                                          !FACTOR
                             STRAN
                             $STATE
                                         'a', ARITH SHIFT
'*', MULTIPLICATION
!DIVISION, TPAS EXIT
TPAS LAMBDA, TPAS_EXIT
ARITH_SHIFT
                             STRAN
                             STRAN
                             STRAN
                             STRAN
                             SSTATE
                                          !TERM, TPAS EXIT, SHIFT2
                             STRAN
```

B 1

PAF VO4

Page

```
SSTATE
STRAN
SSTATE
STRAN
SSTATE
STRAN
                                                                                                                                           MULTIPLICATION
!TERM, TPAS_EXIT, MULT2
DIVISION
!TERM, TPAS_EXIT, DIV2
                                                                                                                                           FACTOR
'-', NEGATE
'(', PARENS
'a', INDIRE
                                                                                                  SSTATE
STRAN
STRAN
                                                                                                                                           'a', INDIRECT
'I'TPAS EXIT, EVAL DOT
TPAS SYMBOL, TPAS EXIT, EVAL SYMBOL
!CONSTANT, TPAS EXIT, EVAL CONSTANT
                                                                                                    STRAN
                                                                                                    STRAN
                                                                                                   STRAN
                                                                                                    STRAN
                                                                                                    SSTATE
                                                                                                                                            NEGATE
                                                                                                                                              !FACTOR,TPA$_EXIT,NEG1
                                                                                                    STRAN
                                                                                                  SSTATE
STRAN
                                                                                                                                               !FACTOR, TPAS_EXIT, EVAL_CONTENTS
                                                                                                                                           PARENS
                                                                                                  SSTATE
                                                                                                    STRAN
                                                                                                                                              !EXPRESSION
                                                                                                  SSTATE
STRAN
                                                                                                                                             ')',TPA$_EXIT
                                                                                                  SSTATE
STRAN
STRAN
                                                                                                                                           CONSTANT
'+', CONSTANT
'A', RADIX
!HEX, TPA$_EXIT
                                                                                                    STRAN
                                                                                                                                           RADIX
'O',OCTAL
'X',HEX
'D',DECIMAL
                                                                                                    SSTATE
                                                                                                    STRAN
                                                                                                    STRAN
                                                                                                    STRAN
                                                                                                  STATE
STRAN
                                                                                                                                          OCTAL
TPAS_OCTAL, TPAS_EXIT
005C
                                                                                                  STATE
STRAN
                                                                                                                                           TFAS_DECIMAL, TPAS_EXIT
                                                                                                                                          HEX
'G', SYSREG
'H', CTLREG
TPA$ HEX, TPA$_EXIT
SYSREG
                                                                                                  STRAN
                                                                                                    STRAN
                                                                                                    STRAN
                                                                                                  STATE
STRAN
                                                                                                                                           TPAS HEX, TPAS EXIT, ADD 8000 CTLREG
                                                                                                  SSTATE
                                                                                                    STRAN
                                                                                                                                            TPAS_HEX, TPAS_EXIT, ADD7FFE
                                                                                                  SHOW PROCESS [name/ALL] [/INDEX=n] [/SYSTEM]
/WORKING_SET_LIST [or Note to be considered by the construction of the constructi
                                                                                                                                                                                                                                                                                                                  [or WSL]
[or PST]
[or PPT]
                                                                                                                                                                 start:end
                                                                                                                                                                 start; length /PO
                                                                                                                                                                 /P1
```

C 1

STATE STRAN

SSTATE STRAN RMS '

!DISPLAY, TPAS_EXIT, OPTSM_RMSD, OPTIONS

```
STRAN TPAS_LAMBDA, TPAS_EXIT
005CC
0005CC
0005CC
0005CC
0005CC
0005CC
0005CC
                              SET PROCESS name /INDEX=n /SYSTEM
                                          SET PROC
                              $STATE
                              STRAN
                              STRAN
                                           TPA$_SYMBOL,,,,PROC_NAME
                              SSTATE
                              STRAN
                                          TPAS_LAMBDA, TPAS_EXIT, SET_PROCESS
                              SSTATE
STRAN
SSTATE
                                           INDEX
005C
                              STRAN
                                           'INDEX'
                                           'SYSTEM', TPAS_EXIT,, OPTSM_SYSPROC, OPTIONS
                              STRAN
005C
                              SSTATE
005C
                              STRAN
                                           1=1
                              STRAN
005C
                              SSTATE
005C
                              STRAN
                                          TPAS_HEX, TPAS_EXIT, STORE_PROC_INCEX
SHOW POOL /IRP /NONPAGED /PAGED /ALL /SUMMARY /HEADER
                              STATE
STRAN
                                           CK_EOS, TPAS_EXIT, SHOW_POOL
                              STRAN
                              STRAN
                                           TPAS_LAMBDA, POOL_RANGE
                              SSTATE
                                          'IRP', POOL, OPTSM_IRP, OPTIONS
'LRP', POOL, OPTSM_LRP, OPTIONS
'SRP', POOL, OPTSM_SRP, OPTIONS
'NONPAGED', POOL, OPTSM_NONPAGED, OPTIONS
'PAGED', POOL, OPTSM_PAGED, OPTIONS
'ALL', POOL, OPTSM_IRP!OPTSM_NONPAGED!OPTSM_PAGED, OPTIONS
'SUMMARY', POOL, OPTSM_SUMMARY, OPTIONS
'HEADER', POOL, OPTSM_READER, OPTIONS
'FREE', POOL, OPTSM_FREE, OPTIONS
'TYPE',, OPTSM_TYPE, OPTIONS
                              STRAN
                              STRAN
                              STRAN
                              STRAN
005C
                              STRAN
005C
                              STRAN
005C
                              STRAN
005C
                              STRAN
005C
005C
005C
                              STRAN
                              STRAN
                              SSTATE
                                           "="
                              STRAN
                                           1:1
                              STRAN
                              $STATE
                                           TPA$_SYMBOL,POOL,,,STRUCTURE
                              STRAN
                              SHOW POOL start:end
                                                start; length
                                           POOL RANGE !EXPRESSION
                              $STATE
                              STRAN
                              SSTATE
                              STRAN
                                           SEMI . . , OPTSM_LENGTH, OPTIONS
```

STRAN

'ALL', PFN_OPTS,, OPTSM_FREE! OPTSM_MODIFIED! OPTSM_BAD! OPTSM_WHOLEPFN, O

```
SHOW PAGE_TABLE/SYSTEM/GLOBAL/ALL
                                       PAGE_TABLE
'/', PAGE_OPTION
TPA$_LAMBDA,,,OPT$M_SYSTEM!OPT$M_GLOBAL,OPTIONS
                            SSTATE
                            STRAN
                            STRAN
                            SSTATE
                            STRAN
                                       !CK_EOS,TPA$_EXIT,DISPLAY_SPT
TPA$_LAMBDA,PAGE_RANGE
                            STRAN
                                       PAGE_OPTS
                            STATE
STRAN
                                       !CK_EOS.TPA$_EXIT.DISPLAY_SPT

TPA$_LAMBDA.PAGE_RANGE

PAGE_OPTION

'SYSTEM'.PAGE_OPTS..OPT$M_SYSTEM.OPTIONS

'GLOBAL'.PAGE_OPTS..OPT$M_GLOBAL.OPTIONS

'ALL'.PAGE_OPTS..OPT$M_ALL,OPTIONS
                            STRAN
                            STRAN
                            SSTATE
                            STRAN
                            STRAN
                            STRAN
                            SHOW PAGE start:end
                                            start; length
                                       PAGE RANGE !EXPRESSION
                            $STATE
                            STRAN
                            SSTATE
                                       SEMI ... OPTSM_LENGTH, OPTIONS
                            STRAN
                                       COLON,,,OPT$M_RANGE,OPTIONS
                            STRAN
                            SSTATE
                            STRAN
                                       !EXPRESSION
                            SSTATE
                            STRAN.
                                       !CK_EOS, TPA$_EXIT, DISPLAY_SPT_RANGE
                            SHOW SUMMARY / IMAGE
                            SSTATE
                                       SHOW_SUMMARY
                                        CK_EOS, TPAS_EXIT, PROCESS_SUMMARY
                            STRAN
                            STRAN
                           SSTATE
                            STRAN
                                       'IMAGE', SHOW_SUMMARY,, OPT$M_IMAGE, OPTIONS
                            SHOW SYMBOL[/ALL] [name] [/ALL]
                            SSTATE
                                       SYMBOL
                                       TPA$ LAMBDA, CLEAR_SYMBOL_NAME
SYMBOL_QUALS
'/',SYMBOL_OPTS
TPA$ SYMBOL,SYM,,SYMBOL_NAME
!CK_EOS,TPA$_EXIT,SHOW_SYMBOL
                            STRAN
                            SSTATE
                            STRAN
                            STRAN
                            STRAN
```

G 1

PAR

Syn

EVA

PARSE VO4-000

PAR

Sym

```
STATE
STRAN
STRAN
SSTATE
STRAN
SSTATE
STRAN
                             READ_CMD
!READ_QUALS
TPA$_CAMBDA
                              !COLLECT ... . FILE_DESC
                              TPA$_LAMBDA, TPA$_EXIT, READ_SYMFILE
                 SSTATE
STRAN
SSTATE
STRAN
SSTATE
                             READ_QUALS
                              'RELOCATE'
                              1=1
                  STRAN
                  SSTATE
                  STRAN
                              !EXPRESSION, TPA$_EXIT, STORE_RELOCATION
                  COPY filespec
                 STATE
STRAN
SSTATE
STRAN
                             COPY CMD !COLECT,...FILE_DESC
                             TPA$_LAMBDA, TPA$_EXIT, SAVE_DUMP
                  FORMAT address /TYPE=struct
                 SSTATE
STRAN
SSTATE
STRAN
SSTATE
STRAN
SSTATE
STRAN
                             FORMAT_CMD !FORMAT_OPTS
                              !EXPRESSION
                              !FORMAT_OPTS
                             TPA$_LAMBDA, TPA$_EXIT, FORMAT
                 SSTATE
STRAN
STRAN
SSTATE
STRAN
SSTATE
STRAN
STRAN
SSTATE
                              FORMAT_OPTS
                              TPA$_LAMBDA, TPA$_EXIT
                              'TYPE'
                             TPAS_SYMBOL,,,,STRUCTURE
                  STRAN
                  SSTATE
                              TPA$_LAMBDA, TPA$_EXIT, , 1, OPTIONS
                  STRAN
                  SEND_STATE
```

Parse tables for SDA commands PARSER STATE TABLE

16-SEP-1984 01:36:01 5-SEP-1984 03:33:21

VAX/VMS Macro V04-00 [SDA.SRC]PARSE.MAR:1

21 (4) Page

00000000 989

.PSECT PARSE, EXE, NOWRT

J 1

PAR Sym

PARSE V04-000				Pr SDA co	mmands ION ROUT	K 1 INES 16-SEP-1984 01 5-SEP-1984 03	:36:01 VAX/VMS Macro VO4-00 Page 23 3:33:21 [SDA.SRC]PARSE.MAR;1
		00	00 991	;	.SBTTL	EXPRESSION ANALYSIS ACT	ION ROUTINES
		00	00 994		EXPRESS	ION ANALYSIS ACTION ROUT	INES
		00 00 00	00 997 00 997 00 998		THESE R PARSING STACK S	OUTINES ARE CALLED FROM TRANSITIONS TO EVALUATE PACE.	THE EXPRESSION ANALYSIS ARGUMENTS USING A SEPARATE
		00	00 1000	INP	UTS:		
		00 00 00	00 1002 00 1003 00 1004		AP = AD	DRESS OF TPARSE PARAMETE	R BLOCK
	61 8	0000 000 000 000 000 000 000 000 000 0	00 993 00 993 00 993 00 993 00 993 00 1003 00 1003 000	ADD2:	.WORD BSBB ADDL2 BRB	O EVAL_SETUP (R1) 7, (R1) STORE	; ADD 2 ARGUMENTS, RESULT ON TOP
	61 8	11 C4 00 E 11 00	10 1014	4	.WORD BSBB MULL2 BRB	O EVAL SETUP (R1) +, (R1) STORE	; MULTIPLY 2 ARGUMENTS, RESULT ON TOP
	61 8	0000 00 2 10 00 11 C2 00 5 11 00	12 1016 14 1017 16 1018 19 1019	SUB2:	.WORD BSBB SUBL2 BRB	O EVAL_SETUP (R1) +, (R1) STORE	; SUBTRACT 2 ARGUMENTS, RESULT ON TOP
	61 8	0000 00 9 10 00 1 D5 00 1 C6 00 1 C6 00	23 1025 26 1026	5	.WORD BSBB TSTL BEQL DIVL2 BRB	O EVAL_SETUP (R1) FAILURE (R1)+,(R1) STORE	; DO NOT ALLOW DIVIDE BY ZERO ; DIVIDE 2 ARGUMENTS, RESULT ON TOP
	61 61 5 1	0000 00 C 10 00 I D0 00 O 78 00 B 11 00	2A 1029 2C 1030 2F 1031		.WORD BSBB MOVL ASHL BRB	O EVAL SETUP (R1) #, RO RO, (R1), (R1) STORE	GET SHIFT COUNT SHIFT LEFT BY COUNT
	61 6	0000 00 0F 10 00 01 CE 00 2 11 00	33 1033 35 1033 35 1034 37 1035 39 1036 30 1037	7	.WORD BSBB MNEGL BRB	O EVAL_SETUP (R1);(R1) STORE	; NEGATE 1 ARGUMENT, RESULT ON TOP
	71 1C A	0000 00 00 10 00 00 00 00 00 00 00 00 00	3E 1038 3E 1039 3E 1040 40 1041 42 1042 46 1043		NSTANT: .WORD BSBB MOVL BRB	O EVAL_SETUP TPA\$[_NUMBER(AP),-(R1) STORE	; PUSH RESULT FROM TPARSE
	51 00000000°E	C DO 00 08 11 00 00 00 05 00	42 1042 46 1043 48 1044 48 1046 48 1046 4F 1046	EVAL_SE	TUP: MOVL RSB	ESP,R1	; R1 = STACK POINTER

PAR Pse

PSE

SAB SDA _LI _LI _LI FAR

Pha Ini Com Pas Symi Pas Symi Pse Cro Ass

The 519 The 137 32

-\$2 -\$2 -\$2 TOT

753

The

MAC

Page	23	**
Page	(5)	

				Pars			SDA COL	mmands ION ROUT	INES 16-SEP-1984 01:36: 5-SEP-1984 03:33:	01 VAX/VMS Macro V04-00 Po 21 ESDA.SRCJPARSE.MAR;1
	0000	1C AC 0000'EF 50	61 51 01	DO DO 04	0050 0050 0054 0058 005E 005F	1048 1049 1050 1051 1052 1053	STORE:	MOVL MOVL MOVL RET	(R1), TPA\$L_NUMBER(AP) ; S R1,ESP ; S #1,R0	AVE RESULT FOR CALLER TORE STACK POINTER
			50	D4 04	005F 005F 0061	1055 1056 1057 1058	FAILURE	CLRL RET	RO	
	0000	0000'EF EE	AC 01 50 51 D3 71 D6	0000 7F FB E9 DD 10 8ED0	0062 0062 0064 0067 006E 0071 0073 0078	1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069	EVAL_SY	MBOL: WORD PUSHAQ CALLS BLBC PUSHL BSBB POPL BRB	#1,SYMBOL_VALUE ; T RO,FAILURE R1 EVAL_SETUP	ESCRIPTOR OF SYMBOL NAME RY TO FIND IN SYMBOL TABLE FUSH RESULT ONTO STACK
	71	00000000	CA EF C9	0000 10 00 11	007A 007A 007A 007C 007E 0085 0087	1069 1070 1071 1072 1073 1074	EVAL_DO	T: .WORD BSBB MOVL BRB	O EVAL_SETUP ADDRESS,-(R1) STORE	
			BD 51 AF 61 B2	0000 10 DD 10 8ED0	0087 0087 0089 0088 0095 0097 0099	1075 1076 1077 1078 1079 1080 1081 1082	EVAL_CO	NTENTS: .WORD BSBB REQMEM PUSHL BSBB POPL BRB	R1 EVAL_SETUP	ET CONTENTS OF LOCATION ND REPLACE ARG. ON TOP OF STACK
10	AC	80000000	8F	0000 C0 04	009E 009E 00A0 00A8	1085 1084 1085 1086	ADD8000	.WORD ADDL RET	0	DDRESS IN SYSTEM REGION); ADD BASE OF SYSTEM REGION
10	AC	7FFE0000	8F	0000 C0 04	00A9 00A9 00A9 00AB 00B3	1087 1088 1089 1090 1091 1092	ADD7FFE	.WORD ADDL RET	; A 0 %^X7FFE0000,TPA\$L_NUMBER(AP	DDRESS IN CONTROL REGION); CONTROL REGION

PARSE VO4-000

```
PARSE
V04-000
                                    Parse tables for SDA commands 16-SEP-1984 01:36:01 STORE_RELOCATION, STORE READ/RELOCATE VA 5-SEP-1984 03:33:21
                                                1094
1095
1096
1097
                                                               .SBTTL STORE_RELOCATION, STORE READ/RELOCATE VALUE
                                                               STORE THE VALUE OF THE READ/RELOCATE QUALIFIER.
                                                        INPUTS:
                                                               TPA$_L_NUMBER(AP) = RELOCATION BASE
                                                        OUTPUTS:
                                                               RELOCATE_BASE = RELOCATION BASE
                                                      STORE_RELOCATION:
                                   0000
                                                                . WORD
            00000000'EF
                            1C AC
                                                               MOVL
                                                                        TPA$L_NUMBER(AP), RELOCATE_BASE
                                                               RET
                                                               .SBITL STORE_PROC_INDEX, STORE PROCESS INDEX LOW BITS
                                                               STORE THE LOW ORDER BITS (AS DETERMINED BY PIX_WIDTH) OF THE PROCESS
                                                               INDEX. THIS LETS US INTERCHANGE INTERNAL AND EXTENDED PIDS
                                                        INPUTS:
                                                               TPA$_L_NUMBER(AP) = USER-SPECIFIED PROC INDEX
                                                        OUTPUTS:
                                                               PROC_INDEX = LOW ORDER BITS
                                                      STORE_PROC_INDEX:
               00000000°EF
00000000°
                                   0000
                                                                . WORD
                                                1131
       1C AC
                                     EF
                                                               EXTZV
                                                                        #O, PIX_WIDTH, TPA$L_NUMBER(AP), PROC_INDEX
                                          00CA
00CF
                                     DO
                                                               MOVL
                                                                        #1, RO
                                     04
                                          0002
                                                               RET
```

POOL

P00 V04

```
1137
1138
1139
1140
1141
1142
1143
                                         .SBTTL SAVE_COMMAND, SAVE THE CURRENT COMMAND
                                                                        SAVE THE CURRENT COMMAND IN THE COMMAND BUFFER SO THAT A LATER 'REPEAT' COMMAND CAN RECALL IT.
                                                              INPUTS:
                                                    1144
1145
1146
1147
                                                                        TPA$L_STRINGCNT(AP) = DESCRIPTOR OF STRING
                                                              OUTPUTS:
                                                  1148 :
1149 :
1150 :
1151 :---
1152 :---
1153 SAVE
                                                                        PREV_COMMAND = DESCRIPTOR OF SAVED STRING
                                          00D3
                                          00D3
                                          00D3
                                                           SAVE_COMMAND::
                                003C
                                                                                     ^M<R2,R3,R4,R5>
                                                                        . WORD
                                          00D5
00000050'EF 08 AC
0C BC 08 AC
00000054'FF
                                   B0
28
                                                   1156
1157
1158
1159
1160
                                                                                    TPA$L_STRINGCNT(AP), PREV_COMMAND
TPA$L_STRINGCNT(AP), aTPA$L_STRINGPTR(AP), aPREV_COMMAND+4
                                          00D5
                                                                        MOVW
                                          OODD
                                                                        MOVC
                                         00E7
00E7
00E7
00E7
00E7
00EF
00F5
                                                                        ; Tell the SMG$ level how to repeat this command
                                                   1161
1162
1163
1164
1165
1166
1167
1168
1169
1170
                                   9F
9F
                                                                        CLRL
                                                                                     -(SP)
                                                                                                                              State string null
             00000050'EF
                                                                                    PREV_COMMAND
KEY ATTR
-(SP)
                                                                                                                              Last command attributes
                                                                        PUSHAB
                                                                        PUSHAB
                                                                                                                             No IF STATE
Repeat key name (KPO defaults)
                                   9F
9F
                                                                        CLRL
                                                                                    REPEAT KEY
KEYTABLE
             00000000 EF
                                          OOFD
                                                                        PUSHAB
     00000000 GF
                                         0103
010A
0116
                                   FB
                                                                                     #6,G^SMG$ADD_KEY_DEF
                                                                        CALLS
                                                                                                                              Change key definition
                                                                        SIGNAL
                                                                        RET
```

POO

POC

PARSE V04-000

Permanent display options set:

RMS_DIS_OPT = RMS_DIS_TMP

RMS_IFI = RMS_IFI_TMP

Outputs:

```
PARSE
V04-000
                                             0192
0192
0194
019F
01AA
                                      0000
00
80
00
04
                                                          END_SET_RMS: . WORD
      00000000 EF
                                                                              RMS_DIS_TMP,RMS_DIS_OPT
RMS_IFI_TMP,RMS_IFI_
#1,R0
                                                                     MOVW
                                                                     MOVL
                                                                     RET
                                                             STORE_IFI_TMP -- Set the temporary IFI from the results of !EXPRESSION.
                                                             Inputs:
                                                                    TPA$L_NUMBER(AP) = Results of !EXPRESSION
                                                             Outputs:
                                                                    RMS_IFI_TMP contains above value.
                                             01AE
01B0
01B8
                                                          STORE_IFI_TMP:.WORD
             00000000'EF
                                                                              TPA$L_NUMBER(AP), RMS_IFI_TMP #1,R0
                              1C AC
                                                                    MOVL
                                             01BB
                                                                    RET
                                             01BC
                                             01BC
                                                             CLR_IFI_TMP -- Clear RMS_IFI_TMP.
                                                             Inputs:
                                                                    None.
                                                             Outputs:
                                                                    RMS_IFI_TMP = 0
                                      0000
84
00
04
                                                          CLR_IFI_TMP:.WORD O
                       00000000'EF
                                                                              RMS_IFI_TMP
                                                                    MOVL
                                                                    RET
                                                             SETUP_DIS_OPT -- Setup for !DIS_OPT state.
                                                             Inputs:
                                                                    None.
                                                             Outputs:
                                                                    RMS_DIS_TMP1 = 0
                                                          SETUP_DIS_OPT:.WORD 0
CERL RMS_DIS_TMP1
MOVL #1,R0
                       00000000'EF
```

```
P00
V04
```

```
PARSE
VO4-000
                                             Parse tables for SDA commands 16-SEP-1984 01:36:01 Action Routines for SET:SHOW RMS/DISPLAY 5-SEP-1984 03:33:21
                                                    RET
                                                                      STORE_STAR -- Include into temporary options previous perm options.
                                                                       Inputs:
                                                                               RMS_DIS_OPT = Permanent options.
RMS_IFI = Permanent IFI.
                                                                       Outputs:
                                                                               RMS_DIS_TMP1 = RMS_DIS_OPT - OPT$M_NO
RMS_IFI_TMP = RMS_IFI
                                                    0104
                                                    0104
                                            0000
DD
CA
                                                                    STORE_STAR: . WORD 0
                                                    0104
                                                                                          RMS_DIS_OPT
#OPT$M_NO,(SP)
RMS_DIS_TMP1
RMS_IFI,RMS_IFI_TMP
#1,RO
                           00000000'EF
                                                                               PUSHL
                                                    0106
                          6E 01
00000000'EF
00000000'EF
                                                    OIDC
                                            8ED0
B0
D0
04
                                                    01DF
                                                                                POPL
       00000000°EF
                                                                                MOVW
                                                                                MOVL
                                                                               RET
                                                                      CLEAR_SYMBOL_NAME -- Clear SYMBOL_NAME prior to parsing SHOW/SYMBOL
                                                                       Inputs:
                                                                               None.
                                                                       Outputs:
                                                             1359
1360
1361
1362
1363
1364
1365
1366
                                                                               SYMBOL_NAME = 0
                                                                   CLEAR_SYMBOL_NAME:
                                                                                .WORD 0
                           00000000'EF
                                                                                CLRQ
                                                                                           SYMBOL_NAME
                                50
                                                                                MOVL
                                                                                           #1,R0
                                                                               RET
```

PARSE VO4-000 Parse tables for SDA commands 16-SEP-1984 01:36:01 VAX/VMS Macro V04-00 Action Routines for SET:SHOW RMS/DISPLAY 5-SEP-1984 03:33:21 [SDA.SRC]PARSE.MAR;1

Page 31 (12)

0201 1369 0201 1370

.END

P00

PARSE Symbol table	Parse tables for SDA co	mmands H 2 16-SEP-198 5-SEP-198	84 01:36:01 VAX/VMS Macro V04-00 84 03:33:21 [SDA.SRC]PARSE.MAR;1	Page 32 (12)
\$\$\$AST \$\$\$FLG \$\$\$KEY \$\$\$KEY \$\$\$MOD \$\$\$TMP \$\$KEYTAB ADD2 ADD7FFE ADD8000 ADDITION ADDRESS ARGS ARITH SHIFT ATM_OFT CDT_BYADDR CDT_SPCFY CK_EOS CLEAR_SYMBOL_NAME CLOSE_LOG CLR IFI_TMP COLCECT_COLLECT_LOOP COLDECT_LOOP COLON CONSTANT COPY_CMD CSID CTLREG DECIMAL DEFINE_SYMBOL DEFINE_SYMBOL DEFINE_SYMBOL DEVICE_DEVICE_OPTS DISPLAY_DEVBYADDR DISPLAY_DEVBYADDR DISPLAY_DEVICE DISPLAY_DEVICE DISPLAY_DEVICE DISPLAY_PFN DISPLAY_PFN DISPLAY_PFN DISPLAY_PFN DISPLAY_SPT DISPLAY	= 000000000000000000000000000000000000	EXAMINE EXPRESSION EXAMINE EXPOPERATE COMMAND EXPORTE C	000003D0 R 00000430 R 00000480 R 000004480 R 0000046C R 0000046C R 000009E4 R 00000504 R 0000050A R 0000055A R 0000055A R 0000055B R 000005BE R 0000005BE R 00000005BE R 0000005BE R 00000005BE R 00000005BE R 00000005BE R 0000005BE R 0000005BE R 00000005BE R 000000005BE R 000000005BE R 00000000005BE R 00000000005BE R 000000000000000000000000000000000000	

PARSE Symbol table	Parse tables for	SDA commands I 2	2-1984 01:36:01 VAX/VMS Macro V04-00 2-1984 03:33:21 [SDA.SRC]PARSE.MAR;1	Page 33
OPTSM_FWA OPTSM_GBD OPTSM_GBDSUM OPTSM_GBDH OPTSM_GBDAL OPTSM_IDX OPTSM_IDX OPTSM_IFB OPTSM_IRB OPTSM_IRB OPTSM_IRB OPTSM_IRP OPTSM_IRP OPTSM_LCK OPTSM_LCK OPTSM_LCK OPTSM_LCK OPTSM_LCK OPTSM_LCK OPTSM_NO OPTSM_NO OPTSM_NO OPTSM_NO OPTSM_NO OPTSM_PO OPTSM_RAB OPTSM_SINGLEPFN OPTSM_SSP OPTSM_SSP OPTSM_SYSTEM OPTSM_SYSTEM OPTSM_TIME OPTSM_TIME OPTSM_UCB OPTSM_WOB OPTSM_OPTSM_OPTSM_OPTSM OPTSM_OPTSM_OPTSM OPTSM_OPTSM OPTSM_OPTSM OPTSM_OPTSM OPTSM_OPTSM OPTSM_OPTSM OPTSM_OPTSM OPTSM OPTSM OPTSM OPTSM OPTSM OPTS	= 00100000 = 00200000 = 0020000000000000000000000000000000000	OPTIONS OUTPUT FILE PAGE OPTS PAGE OPTS PAGE TABLE PARENS PDT BYADDR PFN DATA PFN OPTION PFN OPTS PIX WIDTH POOL PANGE PREV BUFFER PREV COMMAND PRINT HEABER PRINT STACK PRINT HEABER PRINT STACKS PROCESS PRO	******** X 03 000008F8 R 03 0000091C R 03 00000594 R 03 00000864 R 03 00000890 R 03 00000890 R 03 00000700 R 03 00000700 R 03 0000050 R 02 ******** X 03 0000050 R 02 ******** X 03 0000050 R 02 ******* X 03 000005EE R 03 00000664 R 03 00000664 R 03 00000666 R 03 0000066 R 03 000006 R 03	

P00 V04

PARSE Symbol table	Parse tables for SDA co	mmands	16-SEP-1984 01:36:01 VAX/VI 5-SEP-1984 03:33:21 [SDA.	MS Macro V04-00 SRCJPARSE.MAR;1	Page 34 (12)
SET_PROCESS SHIFT2 SHOW SHOW_ALL_LOCKS SHOW_ALL_RES SHOW_CLUSTER SHOW_CONNECTIONS SHOW_EXPR SHOW_ONE_LOCK SHOW_POOL_RANGE SHOW_POOL_RANGE SHOW_POOLS SHOW_POOLS SHOW_POOLS SHOW_RMS_OPT SHOW_RMS_OPT SHOW_SYMBOL SMG\$ADD_KEY_DEF SMG\$DEFINE_REY SMG\$M_KEY_TERMINATE SNARF STACK STACK_RANGE START STORE_IFI_TMP STORE_FROCINDEX STORE_IFI_TMP STORE_FROCINDEX STORE_TMP1_OPT STRUCTURE SUB2 SUBTRACTION SYMBOL_DESC SYMBOL_DESC SYMBOL_NAME SYMBOL_OPTS SYMBOL_OPT	******* ******* ******* ******* ****	TPAS FAIL TPAS FILESPEC TPAS HEX TPAS IDENT TPAS KEYWORD TPAS LAMBDA TPAS MAXKEY TPAS OCTAL TPAS STRING TPAS SUBXPR TPAS SYMBOL TPAS UIC VALIDATE QUEUE VALIDATE QUEUE VAL QUEUE VAL QUEUE VAL QUEUE VAL QUEUE VAL SET MAX VAXCLUSTER	= FFFFFFE = 000001ES = 000001F0 = 000001F0 = 000001F1 = 000001EB = 000004E8 000004C6 000004C6 000004D2 000004D3 00000136	X 03 R 03 R 03 R 03 X 03	

16-SEP-1984 01:36:01 VAX/VMS Macro V04-00 5-SEP-1984 03:33:21 [SDA.SRC]PARSE.MAR;1

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes				
ABS . \$ABS\$ SDADATA _LIB\$STATE\$ _LIB\$KEY0\$ _LIB\$KEY1\$ PARSE	00000000 (0.) 00000000 (0.) 0000005C (92.) 00000A5E (2654.) 00000110 (272.) 0000039E (926.) 00000201 (513.)	00 (0.) 01 (1.) 02 (2.) 03 (3.) 04 (4.) 05 (5.) 06 (6.)	NOPIC USR NOPIC USR NOPIC USR PIC USR PIC USR PIC USR NOPIC USR	CON ABS CON REL CON REL CON REL CON REL CON REL CON REL	LCL NOSHR LCL NOSHR LCL NOSHR LCL SHR LCL SHR LCL SHR	EXE RD EXE RD EXE RD EXE RD EXE RD	NOWRT NOVEC BYTE WRT NOVEC BYTE WRT NOVEC BYTE NOWRT NOVEC BYTE NOWRT NOVEC WORD NOWRT NOVEC WORD NOWRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization Command processing	35 132 1216	00:00:00.07 00:00:00.50	00:00:02.56
Pass 1 Symbol table sort Pass 2	260 37	00:00:00.61 00:00:14.41	00:00:02.04
Symbol table output Psect synopsis output Cross-reference output	37	00:00:00.17 00:00:00.04 00:00:00.00	00:00:00.38 00:00:00.39 00:00:00.00
Assembler run totals	1684	00:01:21.32	00:05:16.22

The working set limit was 3000 pages.
519055 bytes (1014 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 596 non-local and 3 local symbols.
1370 source lines were read in Pass 1, producing 69 object records in Pass 2.
32 pages of virtual memory were used to define 26 macros.

! Macro library statistics !

Macro Library name	Macros defined
_\$255\$DUA28:[SDA.OBJ]SDALIB.MLB;1 _\$255\$DUA28:[SYS.OBJ]LIB.MLB;1 _\$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)	10

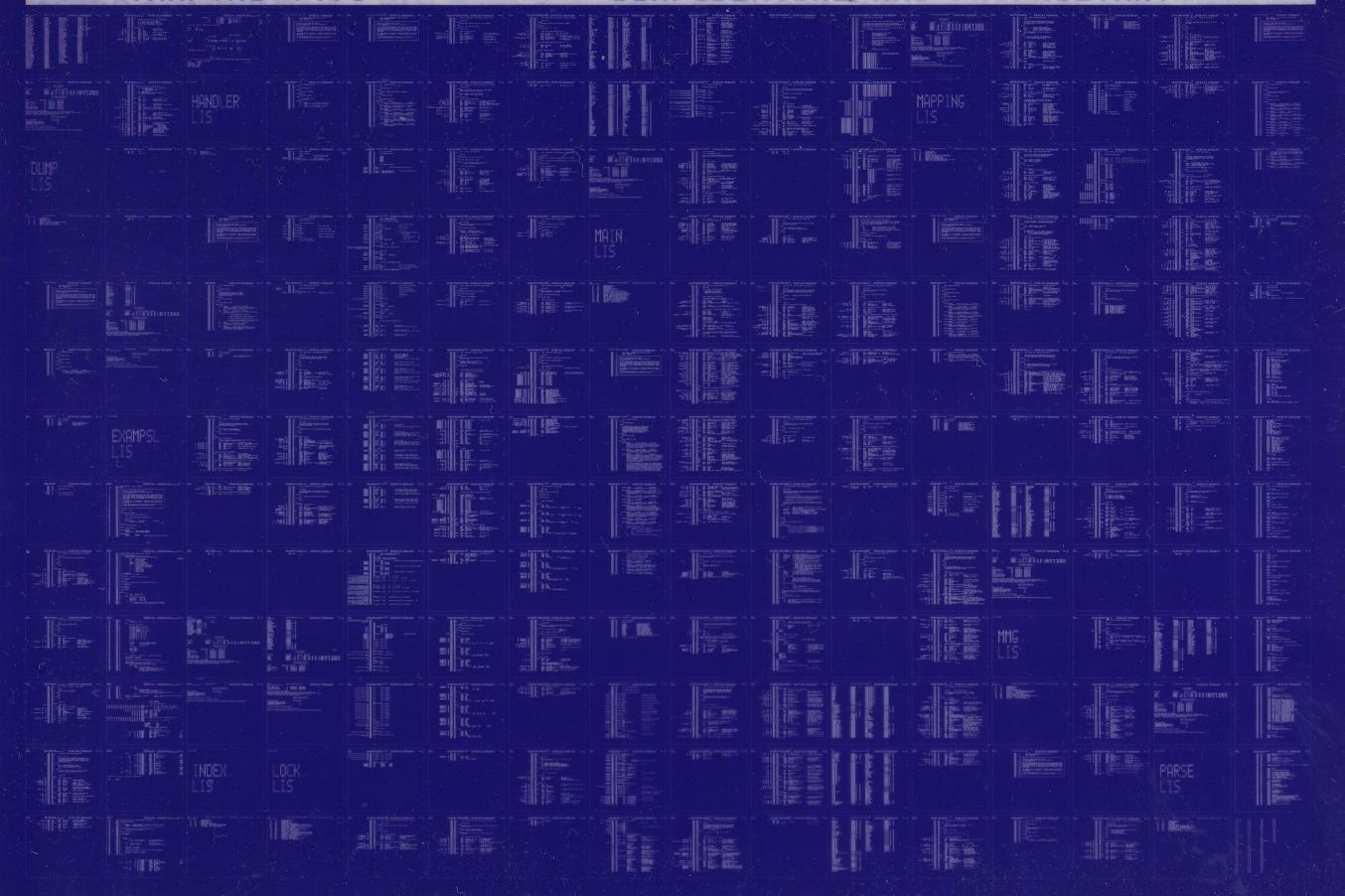
753 GETS were required to define 14 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:PARSE/OBJ=OBJ\$:PARSE MSRC\$:PARSE/UPDATE=(ENH\$:PARSE)+EXECML\$/LIB+LIB\$:SDALIB/LIB

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